

ABSTRACT of THE DISCLOSURE

5 An apparatus and method that generates plasma using a microwave radiation supply. The
plasma is used to treat a surface of a workpiece at approximately atmospheric pressure. Plasma
excites a working gas to create an excited gaseous species without degradation from undue heat
caused by the plasma. The gaseous species exit an outlet of the apparatus to treat the surface of a
workpiece when the outlet is juxtaposed with the workpiece.

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